Redux Thunk

Redux is a state management tool, which is used to store the state of different variables in our react application. It makes complex react applications easier by centralizing the application state

Redux supports middleware, and middleware functions run between dispatching an action and the moment it reaches the reducer. Redux middlewares can be used for logging, routing, asynchronous actions, etc.

Redux middleware called thunk allows us to return functions instead of objects from redux actions. Plain redux doesn't allow complex logic inside action functions, you can only perform simple synchronous updates by dispatching actions. This middleware extends its ability and lets you write complex logic that interacts with the store.

Thunk doesn't interfere with the action until it returns a function. Thunk allows us to dispatch actions manually, which gives us the power to incorporate some logic or run some asynchronous code before dispatching an action. The function returned from action is called a thunk function which is called with two arguments :

1. dispatch: It is a method used to dispatch actions, that can be received by reducers.
2. getState: It gives access to store inside the thunk function.
A thunk function may contain any arbitrary logic, sync, or async, and can call dispatch or getState at any time.